

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 104664-50037	Serial No. TBA
<u>INFORMATION DISCLOSURE CITATION</u>			
(Use several sheets if necessary)			
Applicant Small et al.			
Filing Date: Herewith		Art Unit: Unassigned	

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
PAD		5 2 0 0 3 2 4	04-06-1993	Navaratnam et al.			

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Office	Foreign Patent Document	Date of Publication of Cited Document	Name of Patentee or Applicant of Cited Document	Class	Sub-class	Translation
		Document Number					Yes No
PAD	WO	9 9 1 5 6 9 5	04-01-99	Small et al.			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

PAD	AA	Tornel, P., et al., "Ricinus communis agglutinin I reacting and non-reacting butyrylcholinesterase in human cerebrospinal fluid," <i>Neuroscience Letters</i> , 145:59-62, 1992.
	AB	Kalaria, R.N., et al., "Acetylcholinesterase and Its Association With Heparan Sulphate Proteoglycans In Cortical Amyloid Deposits Of Alzheimer's Disease," <i>Neuroscience</i> , 51(1):177-184, 1992.
	AC	Saez-Valero, J., et al., "Molecular Isoform Distribution and Glycosylation of Acetylcholinesterase Are Altered in Brain and Cerebrospinal Fluid of Patients with Alzheimer's Disease," <i>Journal of Neurochemistry</i> , 72:1600-1608, 1999.
	AD	Saez-Valero, J., et al., "Altered Glycosylation of Cerebrospinal Fluid Butyrylcholinesterase in Alzheimer's Disease," <i>Brain Research</i> , 889:247-250, 2001.
	AE	Arendt, T., et al., "Decreased Ratio of CSF Acetylcholinesterase to Butyrylcholinesterase Activity in Alzheimer's Disease," <i>The Lancet</i> , 173, January 21, 1984.
	AF	Evin, G., et al., "Alzheimer's disease amyloid precursor protein (A β PP): proteolytic processing, secretases and β A4 amyloid production," <i>Amyloid: Int. J. Exp. Clin. Invest.</i> , 1:263-280, 1994.
	AG	Whitehouse, P., et al., "Alzheimer Disease : Evidence for Selective Loss of Cholinergic Neurons in the Nucleus Basalis," <i>Annals of Neurology</i> , 10(2):122-126, (1981).
	AH	Mesulam, M., et al., "Acetylcholinesterase-rich Pyramidal Neurons in the Human Neocortex and Hippocampus: Absence at Birth, Development During the Life Span, and Dissolution in Alzheimer's Disease," <i>Annals of Neurology</i> , 24(6):765-773, (December 1988).
	AI	Perry, E.K., et al., "Correlation of cholinergic abnormalities with senile plaques and mental test scores in senile dementia," <i>British Medical Journal</i> , (November 25, 1978).
	AJ	Wilcock, G.K., et al., "Correlation of Cortical Choline Acetyltransferase Activity with the Severity of Dementia and Histological Abnormalities," <i>Journal of the Neurological Sciences</i> , 57:407-417, (1982).
	AK	Neary, D., et al., "Alzheimer's disease: a correlative study," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 49:229-237, (1986).
	AL	Perry, E.K., "The Cholinergic Hypothesis - Ten Years On," <i>British Medical Bulletin</i> , 42(1):63-69, (1986).
	AM	Motter, R., et al., "Reduction of β -Amyloid Peptide42 in the Cerebrospinal Fluid of Patients with Alzheimer's Disease," <i>Annals of Neurology</i> , 38(4):643-648, (October 1995).
↓	AN	Perry, R., et al., "Plasma and Erythrocyte Acetylcholinesterase in Senile Dementia of Alzheimer Type," <i>The Lancet</i> , (January 16, 1982).

PAD		AO	Atack, J.R., et al., "Blood Acetyl- and Butyrylcholinesterases in Senile Dementia of Alzheimer Type," <i>Journal of Neurological Sciences</i> , 70:1-12, (1985).
		AP	Nakano, S., et al., "Acetylcholinesterase Activity in Cerebrospinal Fluid of Patients with Alzheimer's Disease and Senile Dementia," <i>Journal of Neurological Sciences</i> , 75:213-223, (1986).
		AQ	Yamamoto, Y., et al., "Plasma and serum G4 isoenzyme of acetylcholinesterase in patients with Alzheimer-type dementia and vascular dementia," <i>Ann Clin Biochem</i> , 27:321-326 (1990).
		AR	Sirvio, J., et al., "Cholinesterases in the cerebrospinal fluid, plasma, and erythrocytes of patients with Alzheimer's disease," <i>J. Neural Transm</i> , 75:119-127, (1989).
		AS	Chipperfield, B., et al., "Decreased Erythrocyte Cholinesterase Activity in Dementia," <i>The Lancet</i> , p. 199, (July 25, 1981).
		AT	Haycox, J.A., et al., "Investigation of Suspect Dementia," <i>The Lancet</i> , p. 199, (July 25, 1981).
		AU	Appleyard, M., et al., "Acetylcholinesterase and butyrylcholinesterase activities in cerebrospinal fluid from different levels of the neuraxis of patients with dementia of the Alzheimer type," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 55:1074-1078, (1992).
		AV	Appleyard, M., et al., "Cholinesterase Activities In Cerebrospinal Fluid of Patients with Senile Dementia of Alzheimer's Disease," <i>Brain</i> , 110:1309-1322, (1987).
		AW	Ruberg, M., et al., "Acetylcholinesterase and butyrylcholinesterase activity in the cerebrospinal fluid of patients with neurodegenerative diseases involving cholinergic systems," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 50:538-543, (1987).
		AX	Atack, J.R., et al., "Molecular Forms of Acetylcholinesterase In Senile Dementia Of Alzheimer Type: Selective Loss Of The Intermediate (10S) Form," <i>Neuroscience Letters</i> , 40:199-204, (1983).
		AY	Fishman, E., et al., "Distribution of the Molecular Forms of Acetylcholinesterase in Human Brain: Alterations in Dementia of the Alzheimer Type," <i>Annals of Neurology</i> , 19(3):246-252, (March 1986).
		AZ	Younkin, S.G., et al., "Molecular Forms of Acetylcholinesterases in Alzheimer's Disease," <i>Federation Proceedings</i> , 45(13):2982-2988, (December 1966).
		BA	Navaratnam, D.S., et al., "Anomalous molecular form of acetylcholinesterase in cerebrospinal fluid in histologically diagnosed Alzheimer's disease," <i>The Lancet</i> , 337:447-450 (February 23, 1991).
		BB	Smith, A.D., et al., "Anomalous acetylcholinesterase in lumbar CSF in Alzheimer's disease," <i>The Lancet</i> , 338:1538, (December 14, 1991).
		BC	Shen, Z., et al., "Anomalous acetylcholinesterase in CSF without clinical diagnosis of Alzheimer's disease," <i>The Lancet</i> , 342:62, (July 3, 1993).
		BD	Whitehouse, P., et al., "Alzheimer's Disease and Senile Dementia: Loss of Neurons in the Basal Forebrain," <i>Science</i> , 215:1237-1239, (March 1982).
		BE	Struble, R., et al., "Cholinergic Innervation in Neuritic Plaques," <i>Science</i> , 216:413-415, (April 1982).
Examiner	PATRICIA A. DUFY		Date Considered 9/20/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant